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NOTICE OF ALLOWANCE AND FEE(S) DUE

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05/20/2008

WENDEROTH, LIND & PONACK, L.L.P. 2033 K STREET N. W. SUITE 800 WASHINGTON, DC 20006-1021

EXAMINER				
PHAM, TUAN				
ART UNIT	PAPER NUMBER			
2618				

DATE MAILED: 05/20/2008

	APPLICATION NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.		
_	10/567,602	02/08/2006	Masao Nakagawa	2006_0132A	2015

TITLE OF INVENTION: RADIO COMMUNICATIONS APPARATUS, RADIO COMMUNICATIONS SYSTEM, AND BASE STATION EQUIPMENT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	08/20/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

opropriate. All further idicated unless correcte naintenance fee notifica	ed below or directed oth	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	aintenance fees will condence address; a	l be r nd/or	nailed to the current (b) indicating a sepa	corres rate "]	pondence address as FEE ADDRESS" for
		ock 1 for any change of address)]	Fee(s paper) Transmittal. This or S. Each additional p	certifi oaper,	can only be used fo cate cannot be used f such as an assignme ing or transmission.	or any	other accompanying
2033 K STREET SUITE 800				I here State addre trans	Certify that this s Postal Service with service with the Mail Service to the Mail Serviced to the USPTC	icate Fee(s h suff Stop I) (571	of Mailing or Trans) Transmittal is being icient postage for firs SSUE FEE address) 273-2885, on the d	missio g depos st class above ate ind	n sited with the United mail in an envelope , or being facsimile icated below.
WASHINGTON	N, DC 20006-1021								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT					FIRMATION NO.	
10/567,602 ITLE OF INVENTION	02/08/2006 RADIO COMMUNIC:	ATIONS APPARATUS, I	Masao Nakagawa RADIO COMMUNICA		NS SYSTEM. AND		2006_0132A SE STATION EOUIP	MENT	2015 Γ
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE F	EE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	YES	\$720	\$300		\$0		\$1020		08/20/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	BCLASS					
РНАМ,	TUAN	2618	455-561000						
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, altern (2) the name of a s registered attorney	a single firm (having as a member a ey or agent) and the names of up to ent attorneys or agents. If no name is					
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON I ified below, no assignee pletion of this form is NO categories (will not be presented)	data will appear on th T a substitute for filing (B) RESIDENCE: (C	ne par g an a	tent. If an assignee ssignment. and STATE OR CO	UNT	RY)		
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a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).						
a. Applicant claim	tus (from status indicated is SMALL ENTITY statu	ıs. See 37 CFR 1.27.	☐ b. Applicant is no						
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Authorized Signature					Date				
Typed or printed name			Registration No.						
n application. Confiden abmitting the completed is form and/or suggesti	tiality is governed by 35 d application form to the ions for reducing this but irginia 22313-1450. DC	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the D NOT SEND FEES OR	1.14. This collection is depending upon the in e Chief Information Of	s esti: ndivi fficer	mated to take 12 min dual case. Any com : U.S. Patent and Tr	nutes ments adem	to complete, including on the amount of tire ark Office, U.S. Depart	g gath ne you artmen	ering, preparing, and require to complete t of Commerce, P.O.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/567,602	02/08/2006	Masao Nakagawa	2006_0132A	2015		
513 75	513 7590 05/20/2008			EXAMINER		
WENDEROTH, LIND & PONACK, L.L.P.			PHAM, TUAN			
2033 K STREET N	J. W.		ART UNIT	PAPER NUMBER		
SUITE 800 WASHINGTON, DC 20006-1021			2618 DATE MAILED: 05/20/200	8		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)			
	10/567,602	NAKAGAWA ET AL.			
Notice of Allowability	Examiner	Art Unit			
	TUAN A. PHAM	2618			
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this a or other appropriate communicati IGHTS. This application is subject	application. If not included on will be mailed in due course. THIS			
1. 🔀 This communication is responsive to Amendment filed on the second	<u>04/07/2008</u> .				
2. The allowed claim(s) is/are 3,4 and 8.					
 3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do 	e been received. e been received in Application No.				
International Bureau (PCT Rule 17.2(a)).		io national otago approation from the			
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		ly complying with the requirements			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give					
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.				
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review(PT	O-948) attached			
1) hereto or 2) to Paper No./Mail Date		·			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the	e Office action of			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t					
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT					
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informa	I Patent Application			
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)					
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)					
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	<u></u>	ment of Reasons for Allowance			
of Biological Material	9. ☐ Other				

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DETAILED ACTION

REASONS FOR ALLOWANCE

1. Claims 3-4, and 8 are allowed over the prior art of record.

2. The following is an examiner's statement of reasons for allowance:

The applicant's Remarks, filed on 04/07/2008, have been carefully reviewed with update search. Consequently, reasons for allowance of claims 3-4, and 8 are set forth in the following.

Regarding claim 3, the prior art made of record fails to clearly teach or fairly suggest the feature of a radio communication system include measurement means, and communications path selection means for selecting at least any one of the first communications path and the second communications paths as a communications path to be used for communications with the radio communications apparatus, based on the measured values of the power and the delay time and notifying the radio communications apparatus of the selected communications path; wherein the communications path selection means determines, for each of the first communications path and the second communications paths, a function value of an evaluation function with the measured values of the power and the delay time as arguments, and selects at least any one among the first communications path and the second communications paths as a communications path to be used for communications with the radio communications apparatus, based on the result of comparison of the function values, in combination with other limitations as specified in the independent claim 3.

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Regarding claim 4, the prior art made of record fails to clearly teach or fairly suggest the feature of a radio communication system include measurement means, and communications path selection means for selecting at least any one of the first communications path and the second communications paths as a communications path to be used for communications with the radio communications apparatus, based on the measured values of the power and the delay time and notifying the radio communications apparatus of the selected communications path; wherein the communications path selection means excludes, when tolerance values are set for the power and the delay time in advance, such a communications path that at least one of the power and the delay time thereof exceeds the tolerance value, in combination with other limitations as specified in the independent claim 4.

Regarding claim 8, the prior art made of record fails to clearly teach or fairly suggest the feature of a radio communication system includes communications path selection means for selecting at least any one of the first communications path and the second communications paths as a communications path to be used for communications with the radio communications apparatus, based on the measured values of the power and the delay time and notifying the radio communications apparatus of the selected communications path, and a base station and radio network controller equipment for controlling the base station; the other radio communications apparatuses in the ad-hoc network include a first ad-hoc terminal capable of wirelessly communicating with the base station and a second ad-hoc terminal capable of communicating with the radio network controller equipment via a wired communications

network; and the second communications paths include a communications path for connecting the radio communications apparatus and the base station via the first ad-hoc terminal and a communications path for connecting the radio communications apparatus and the radio network controller equipment via the second ad-hoc terminal, in combination with other limitations as specified in the independent claim 8.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan A. Pham whose telephone number is
 (571) 272-8097. The examiner can normally be reached on Monday through Friday,
 8:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Anderson can be reached on (571) 272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have question on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/TUAN A PHAM/ Examiner, Art Unit 2618

Tuan Pham